09/864,824

Welcome to DialogClassic Web(tm)

Dialog level 03.02.02D
Logon file405 17oct03 14:38:15
                *** ANNOUNCEMENT ***
                          ***
--File 654 - US published applications from March 15, 2001 to the
present are now online. Please see HELP NEWS 654 for details.

                          ***
--File 581 - The 2003 annual reload of Population Demographics is
complete. Please see Help News581 for details.

                          ***
                          ***
--File 990 - NewsRoom now contains February 2003 to current records.
File 992 - NewsRoom 2003 archive has been newly created and contains
records from January 2003. The oldest months's records roll out of
File 990 and into File 992 on the first weekend of each month.
To search all 2003 records BEGIN 990, 992, or B NEWS2003, a new
OneSearch category.
                          ***
--Connect Time joins DialUnits as pricing options on Dialog.
See HELP CONNECT for information.
                          ***
                          ***
--SourceOne patents are now delivered to your email inbox as PDF replacing TIFF deli
information.
                          ***
--Important news for public and academic
libraries. See HELP LIBRARY for more information.
                          ***
--Important Notice to Freelance Authors--
See HELP FREELANCE for more information
                          ***
NEW FILES RELEASED
***World News Connection (File 985)
***Dialog NewsRoom - 2003 Archive (File 992)
***TRADEMARKSCAN-Czech Republic (File 680)
***TRADEMARKSCAN-Hungary (File 681)
***TRADEMARKSCAN-Poland (File 682)
                          ***
UPDATING RESUMED
                          ***
RELOADED
***Population Demographics -(File 581)
***CLAIMS Citation (Files 220-222)

REMOVED
                          ***

                *** DIALOG HOMEBASE(SM) Main Menu ***

  Information:
   1.   Announcements (new files, reloads, etc.)
   2.   Database, Rates, & Command Descriptions
   3.   Help in Choosing Databases for Your Topic
   4.   Customer Services (telephone assistance, training, seminars, etc.)
   5.   Product Descriptions

  Connections:

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    6.   DIALOG(R) Document Delivery
    7.   Data Star(R)

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       /H = Help              /L = Logoff          /NOMENU = Command Mode


Enter an option number to view information or to connect to an online
 service.  Enter a BEGIN command plus a file number to search a database
(e.g., B1 for ERIC).
?

B 2,6,34,434,674
        17oct03 14:43:36 User268246 Session D1.1
              $0.00    0.231 DialUnits FileHomeBase
      $0.00   Estimated cost FileHomeBase
      $1.40   INTERNET
      $1.40   Estimated cost this search
      $1.40   Estimated total session cost   0.231 DialUnits

SYSTEM:OS  - DIALOG OneSearch
   File   2:INSPEC  1969-2003/Oct W1
          (c) 2003 Institution of Electrical Engineers
  *File   2: Alert feature enhanced for multiple files, duplicates
removal, customized scheduling. See HELP ALERT.
   File   6:NTIS  1964-2003/Oct W3
          (c) 2003 NTIS, Intl Cpyrght All Rights Res
   File  34:SciSearch(R) Cited Ref Sci  1990-2003/Oct W2
          (c) 2003 Inst for Sci Info
   File 434:SciSearch(R) Cited Ref Sci  1974-1989/Dec
          (c) 1998 Inst for Sci Info
   File 674:Computer News Fulltext  1989-2003/Oct W2
          (c) 2003 IDG Communications

      Set  Items  Description
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?

S HASH(W)JOIN?
          4069   HASH
        288344   JOIN?
     S1    228   HASH(W)JOIN?
?

S (TRANPOS? OR SWAP? OR INTERCHANG?) (S) INNER (S) OUTER (S) TABLE?
          20   TRANPOS?
        6629   SWAP?
       33770   INTERCHANG?
      145626   INNER
      145296   OUTER
      242194   TABLE?
     S2    0   (TRANPOS? OR SWAP? OR INTERCHANG?) (S) INNER (S) OUTER
               (S) TABLE?
?

S (TRANSPOS? OR SWAP? OR INTERCHANG?) (S) INNER (S) OUTER (S) TABLE?
       30565   TRANSPOS?
        6629   SWAP?
       33770   INTERCHANG?
```

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          145626   INNER
          145296   OUTER
          242194   TABLE?
    S3         0   (TRANSPOS? OR SWAP? OR INTERCHANG?) (S) INNER (S) OUTER
                   (S) TABLE?
?


S (TRANSPOS? OR SWAP? OR INTERCHANG?) (S) INNER (S) TABLE?
           30565   TRANSPOS?
            6629   SWAP?
           33770   INTERCHANG?
          145626   INNER
          242194   TABLE?
    S4         2   (TRANSPOS? OR SWAP? OR INTERCHANG?) (S) INNER (S) TABLE?
?


S S1 AND S4
             228   S1
               2   S4
    S5         0   S1 AND S4
?
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09/864,824

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Results 1 - 8 of 8   short listing

1   Impact of self-scheduling order on performance on multiprocessor systems   100%
P. Tang , P.-C. Yew , C.-Q. Zhu
Proceedings of the 2nd international conference on Supercomputing June 1988
Processor self-scheduling is an efficient dynamic scheduling for multiprocessors. This paper
discusses the impact of the self-scheduling order on the performance of multiply-nested parallel
loops. It is shown that, due to data synchronization for cross-iteration data dependencies, the
completion time of a multiply-nested loop is reduced when the nesting parallel loops with
smaller delays are moved to the inside. The best performance is achieved when a shortest-delay
scheduling or ...

2   Interval arithmetic: From principles to implementation   100%
T. Hickey , Q. Ju , M. H. Van Emden
Journal of the ACM (JACM) September 2001
Volume 48 Issue 5
We start with a mathematical definition of a real interval as a closed, connected set of reals.
Interval arithmetic operations (addition, subtraction, multiplication, and division) are likewise
defined mathematically and we provide algorithms for computing these operations assuming
exact real arithmetic. Next, we define interval arithmetic operations on intervals with IEEE 754
floating point endpoints to be sound and optimal approximations of the real interval operations
and we show that the IEE ...

3   Band reduction algorithms revisited   100%
Linda Kaufman
ACM Transactions on Mathematical Software (TOMS) December 2000
Volume 26 Issue 4
In this paper we explain some of the changes that have been incorporated in the latest version
of the LAPACK subroutine for reducing a symmetric banded matrix to tridiagonal form. These

modifications improve the performance for larger-bandwidth problems and reduce the number of operations when accumulating the transformations onto the identity matrix, by taking advantage of the structure of the initial matrix. We show that similar modifications can be made to the LAPACK subroutines for red ...

4 Eddies: continuously adaptive query processing   100%
Ron Avnur , Joseph M. Hellerstein
ACM SIGMOD Record , Proceedings of the 2000 ACM SIGMOD international conference on Management of data May 2000
Volume 29 Issue 2

In large federated and shared-nothing databases, resources can exhibit widely fluctuating characteristics. Assumptions made at the time a query is submitted will rarely hold throughout the duration of query processing. As a result, traditional static query optimization and execution techniques are ineffective in these environments.

In this paper we introduce a query processing mechanism called an *eddy*, which continuously reorders operators in a query plan as it runs. We charact ...

5 Ripple joins for online aggregation   100%
Peter J. Haas , Joseph M. Hellerstein
ACM SIGMOD Record , Proceedings of the 1999 ACM SIGMOD international conference on Management of data June 1999
Volume 28 Issue 2
We present a new family of join algorithms, called ripple joins, for online processing of multi-table aggregation queries in a relational database management system (DBMS). Such queries arise naturally in interactive exploratory decision-support applications. Traditional offline join algorithms are designed to minimize the time to completion of the query. In contrast, ripple joins are designed to minimize the time until an acceptably precise estimate of the query result is availa ...

6 Cost-based optimization of decision support queries using transient-views   100%
Subbu N. Subramanian , Shivakumar Venkataraman
ACM SIGMOD Record , Proceedings of the 1998 ACM SIGMOD international conference on Management of data June 1998
Volume 27 Issue 2
Next generation decision support applications, besides being capable of processing huge amounts of data, require the ability to integrate and reason over data from multiple, heterogeneous data sources. Often, these data sources differ in a variety of aspects such as their data models, the query languages they support, and their network protocols. Also, typically they are spread over a wide geographical area. The cost of processing decision support queries in such a setting is quite high. Ho ...

7 A “roads” data model: a necessary component for feature-based map   100%
generalization
Leone Barnett , John V. Carlis
Proceedings of the fourth ACM workshop on Advances in geographic information systems November 1996

8 Data routing: a paradigm for efficient data-path synthesis and code generation   100%
  Dirk Lanneer , Marco Cornero , Gert Goossens , Hugo De Man
  Proceedings of the 7th international symposium on High-level synthesis May 1984

Results 1 - 8 of 8   short listing

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